

Notice of Allowability

Application No.

10/812,579

Examiner

Nghia M. Doan

Applicant(s)

ZOHAR, SHARON

Art Unit

2825

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant Amended filed on 04/14/06; Telephone Interview conducted on 06/19/06.
2. ☒ The allowed claim(s) is/are 1, 3, 4, 6-9, 11-18, 22, and 23 (renumbered 37 CFR 1.126).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20060623.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


JACK CHIANG
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

1. Responsive to communication application 10/812,579 filed on 03/29/2004; Applicant Amended filed on 04/14/2006; Applicant Telephone Interview conducted on 06/19/2006, claims 1, 3, 4, 6-9, 11-18, 22, and 23 are pending.

Claims 1, 3, 6, 9, 11-16, 22, and 23 have been amended.

Claims 2, 5, 10, and 19-21 have been canceled.

The replacement drawings filed on 04/14/2006 and 06/19/2006 are accepted.

The applicant specification amended filed on 06/19/2006 is accepted by examiner.

2. Applicant's arguments, filed 04/14/2006; Applicant Telephone Interview conducted on 06/19/2006; and the Applicant Supplement Amendment filed on 06/19/2006 have been fully considered and are persuasive. The application is found in allowance condition.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Jonathan Owens Registration No. 37,902 on 06/21/06.

The application is changed as the following:

As claims 9, line 3, after "including" change "a" to "the".

Allowable Subject Matter

4. Claims 1, 3, 4, 6-9, 11-18, 22, and 23 are allowed.
5. The following is an examiner's statement of reasons for allowance: taking claim 1 as exemplary that the prior art made of record does not teach or fairly suggest in the combination of inventive step comprising generating a plurality of sequence of basic Boolean elements respectively defined by a plurality of truth table; generating a respective plurality of substitute circuits not definable by a sequence of basic elements, including a first substitute circuit, wherein the sequence of basic Boolean element and the respective substitute circuit are defined by a same truth table; storing the plurality of sequence of basic Boolean elements in a library; storing the plurality of substitute circuits in the library in a relationship corresponding to their respective sequence of basic Boolean elements; programming a processing path within the integrated circuit according to the first substitute circuit comprising substitute inputs and a substitute output, wherein the truth table representing the first substitute circuit is identical to the truth table representing a first sequence of basic Boolean elements the processing path, and wherein the first substitute circuit is not definable by a sequence of basic Boolean elements; reducing the first sequence of basic Boolean elements into at least one intermediate equivalent circuit; and generating the first substitute circuit.
6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nghia M. Doan whose telephone number is 571-272-5973. The examiner can normally be reached on 8:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Chiang can be reached on 571-272-7483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nghia M. Doan
Patent Examiner
AU 2825
NMD


JACK CHIANG
SUPERVISORY PATENT EXAMINER